

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)	Confirmation No.: 4124
)	
Katsumi SHIBAYAMA	)	Group Art Unit: 2814
)	
Application No.: 10/550,688	)	Examiner: Long Pham
)	
Filed: July 14, 2006	)	Allowed: April 8, 2008
)	
For: PHOTODIODE ARRAY AND)	
PRODUCTION METHOD)	
THEREOF, AND RADIATION)	
DETECTOR)	

MAIL STOP ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
Sir:

REQUEST FOR ACKNOWLEDGEMENT OF PTO-1449

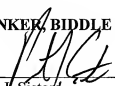
No initialed copies have been received of the enclosed Form PTO-1449, filed on May 7, 2007, March 5, 2007, and July 14, 2006, as shown by the attached copies of our PTO postcard receipts.

Please send an initialized copy evidencing consideration of all listed documents, preferably by facsimile, and if any citation is lined through, please be sure to explain why per MPEP 609.

Thank you.

Respectfully submitted,

DRINKER, BIDDLE & REATH LLP



Peter J. Sistare
Reg. No. 48,183

Dated: April 25, 2008

CUSTOMER NO. 055694
DRINKER, BIDDLE & REATH LLP
1500 K Street, N.W., Suite 1100
Washington, D.C. 20005-1209
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Fax: (202)-204-0289

Suite 1100
 1500 K Street, N.W.
 Washington, DC 20005-1209
 202-842-8800 Phone
 202-842-8465/66 Fax

The official date stamp of the United States Patent and Trademark Office hereon is acknowledgment of the receipt of:

I. Application

- ☐ A. New Application
 ☐ Provisional
 ☐ Utility
 ☐ Design
 ☐ Plant
☐ B. Continuation/Divisional/Continuation-In-Part
 ☐ § 1.53(b)
 ☐ § 1.53 (f) – fee not included
☐ C. Specification: _____ Sheet(s)
☐ D. _____ Claim(s)
☐ E. _____ Drawing(s)
 ☐ Formal
 ☐ Informal
☐ F. Small Entity
☐ G. Combined Declaration & Power of Attorney

II. Prosecution Documents

- ☐ A. Amendment Transmittal
☐ B. Amendment
☐ C. Notice of Appeal
☐ D. Exhibit A
☒ E. Information Disclosure Statement
 ☒ PTO Form 1449, with two documents attached
 ☒ European Search Report dated April 2, 2007
☐ F. Issue Fee
 ☐ Form PTOL-85
 ☐ Request for _____ Soft Copies

III. Post Issuance

- ☐ A. _____ Maintenance Fee
☐ B. Request for Correction of Letters Patent

IV. Recordation

- ☐ A. Assignment Agreement (Number of Patents Covered: _____)
☐ B. Security Interest Agreement (Number of Patents Covered: _____)
☐ C. Change of Name, Merger or Other Transfer Document (Number of Patents Covered: _____)
☐ D. PTO Recordation Form Cover Sheet

VI. Payment

- ☐ Check No. _____ for \$ _____
☐ Deposit Account No. _____ for \$ _____

VII. Other

- ☐ A. Terminal Disclaimer
☐ B. Statement under 37 CFR § 3.73(b)
☐ C. Change of Correspondence Address
☐ D. Submission of Revocation of Original Power of Attorney and Grant of New Power of Attorney
☐ E. Appointment of Domestic Representative
☐ F. _____



Date:

May 7, 2007

Attorney Docket No./File No.:

46884-5428

Matter No.:

216215

Title:

PHOTODIODE ARRAY AND PRODUCTION METHOD THEREOF, AND RADIATION DETECTOR

Inventor(s):

Katsumi SHIBAYAMA

Application/Patent. No.

10/550,688

Attorney:

Paul A. Fournier

Secretary:

Karen Ashton

57107
RJ

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)	
)	
Katsumi SHIBAYAMA	)	Confirmation No.: 4124
)	
Application No.: 10/550,688	)	Group Art Unit: 2814
)	
Filed: July 14, 2006	)	Examiner: Long Pham
)	
For: PHOTODIODE ARRAY AND)	
PRODUCTION METHOD THEREOF,)	
AND RADIATION DETECTOR)	

Commissioner for Patents
U.S. Patent and Trademark Office
Customer Window, Mail Stop Amendment
Alexandria, VA 22314

Sir:

INFORMATION DISCLOSURE STATEMENT UNDER C.F.R. § 1.97(b)

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicant brings to the attention of the Examiner the documents listed on the attached PTO Form 1449. To the best of the undersigned's knowledge, this Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits for the above-referenced application. Accordingly, Applicant does not believe that a fee is due for filing this paper.

A European Search Report dated April 2, 2007 that issued in a European patent application and having documents cited therein is attached for the Examiner's consideration. Cited documents are listed on the attached PTO Form 1449 and are also attached hereto.

While the European Search Report dated April 2, 2007 additionally cites to JP 2003-86827, JP 2003-86826, JP 5-121711, and JP 11-297975, these documents are not listed on the

attached PTO Form 1449 because they were previously cited in an Information Disclosure Statement in this application on July 14, 2006.

The relevance of the attached foreign language document can be understood from the attached English-language abstract, and/or from the citation of this document in the attached European Search Report dated April 2, 2007. Applicant respectfully requests that the Examiner consider the listed documents and evidence that consideration by making appropriate notations on the attached PTO Form 1449.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that the listed documents are material or constitute "prior art." If it should be determined that any of the listed documents do not constitute "prior art" under United States law, Applicant reserves the right to present to the Office the relevant facts and law regarding the appropriate status of such document.

Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over any of the listed documents, should any of the documents be applied against the claims of the present application.

EXCEPT for issue fees payable under 37 C.F.R. § 1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this application including fees due under 37 C.F.R. § 1.16 and 1.17 which may be required, including any required extension of time fees, or credit any overpayment to Deposit Account No. 50-0573.

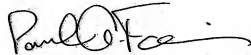
This paragraph is intended to be a **CONSTRUCTIVE PETITION FOR EXTENIONS OF TIME** in accordance with 37 C.F.R. § 1.13(a)(3).

Respectfully submitted,

DRINKER, BIDDLE & REATH LLP

Dated: May 7, 2007

By:



Paul A. Fournier

Registration No. 41,023

Customer No. 055694

DRINKER, BIDDLE & REATH LLP

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Washington, D.C. 20005-1209

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Fax: (202) 842-8465

Page 1 of 1
PTO Form 1449

July 14, 2006

10/550,688

2814

*Examiner
Initial

Document
Number

Date _____

Name _____

Class

Sub
Class

Filing Date

Document
Number

Date _____

Country

Class

Sub.
Class

Translation	
YES	NO

67-42175

Date
March 9, 1982

Japan

1 548 836

June 29, 2005

Europe

Abstract

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

DrinkerBiddle&Rea

L L P

Suite 1100
1500 K Street, N.W.
Washington, DC 20005-1209
202-842-8800 Phone
202-842-8465/66 Fax

The official date stamp of the United States Patent and Trademark Office hereon is acknowledgment of the receipt of:

I. Application

- ☐ A. Application Transmittal
- ☐ Provisional
 - ☐ Utility
 - ☐ Design
 - ☐ Plant
- ☐ B. Continuation/Divisional/Continuation-In-Part
- ☐ § 1.53(b)
 - ☐ § 1.53 (f) – fee not included
- ☐ C. Specification:
- ☐ Sheet(s)
- ☐ D. Total Claim(s)
- ☐ E. Sheets of Drawing(s)
- ☐ Formal
 - ☐ Informal (containing _____ Figures)
- ☐ F. Small Entity
- ☐ G. Combined Declaration & Power of Attorney

II. Prosecution Documents

- ☐ A. Notice of Appeal
- ☐ B. Preliminary Amendment
- ☐ C. Claim to Priority & Priority Document(s)
- ☒ D. Information Disclosure Statement
- ☒ PTO Form 1449 – One (1) page
 - ☒ One (1) Non-U.S. Reference
 - ☒ Japanese Office Action dated December 19, 2006
- ☐ E. Issue Fee
- ☐ Form PTOL-85
 - ☐ Request for _____ Soft Copies
- ☐ F. Formal Drawing(s): _____ Sheet(s)

III. Post Issuance

- ☐ A. _____ Maintenance Fee
- ☐ B. Request for Correction of Letters Patent

IV. Recordation

- ☐ A. Assignment Agreement (Number of Patents Covered: _____)
- ☐ B. Security Interest Agreement (Number of Patents Covered: _____)
- ☐ C. Change of Name, Merger or Other Transfer Document (Number of Patents Covered: _____)
- ☐ D. PTO Recordation Form Cover Sheet

VI. Payment

- ☐ Check No. _____ for \$ _____ for IDS Fee
- ☐ Fee Transmittal PTO/SB/17
- ☐ Deposit Account No. _____ for \$ _____

VII. Other

- ☐ A. Transmittal Letter (_____ pages)
- ☐ B. Power of Attorney
- ☐ C. Appointment of Domestic Representative
- ☐ D. Change of Correspondent's Address



Date: March 5, 2007

Client No.: 46884

Attorney Docket No./File No.: 46884-5428

Matter No.: 216215

Title: Photodiode Array and Production Method Thereof, and Radiation Detector

Inventor(s): Katsumi SHIBAYAMA

Application/Patent No.: 10/550,688

Attorney: John G. Smith

Confirmation No.: 4124

Secretary: Carolyn H. Merica

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)	
)	
Katsumi SHIBAYAMA	)	Examiner: Unassigned
)	
Application No.: 10/550,688	)	Group Art Unit: 2811
)	
Filed: September 26, 2005	)	Confirmation No.: 4124
)	
Title: PHOTODIODE ARRAY AND)	
PRODUCTION METHOD THEREOF, AND)	
RADIATION DETECTOR)	

Commissioner of Patents
U.S. Patent and Trademark Office
Customer Window
Alexandria, VA 22314

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicant brings to the attention of the Examiner the document listed on the attached PTO Form 1449. To the best of the undersigned's knowledge, this Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits for the above-referenced application. Accordingly, Applicant does not believe that a fee is due for filing this paper.

A Japanese Office Action dated December 19, 2006 that issued in a Japanese patent application and having a document cited therein is attached for the Examiner's consideration. The cited document is listed on the attached PTO Form 1449 and a copy of the cited document is also attached hereto.

The relevance of the attached foreign language document can be understood from the attached English-language abstract also enclosed. Applicant respectfully requests that the

Examiner consider the listed document and evidence that consideration by making appropriate notations on the attached form.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that the listed documents are material or constitute "prior art." If it should be determined that any of the listed documents do not constitute "prior art" under United States law, Applicant reserves the right to present to the Office the relevant facts and law regarding the appropriate status of such document.

Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over any of the listed documents, should any of the documents be applied against the claims of the present application.

Except for issue fees payable under 37 C.F.R. § 1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this Application, including fees due under 37 C.F.R. § 1.16 and 1.17 which may be required and including any required extension of time fees, *or* credit any overpayment to Deposit Account No. 50-0573. This paragraph is intended to be a **CONSTRUCTIVE PETITION FOR EXTENSION OF TIME** in accordance with 37 C.F.R. § 1.136(a)(3).

Respectfully submitted,

DRINKER BIDDLE & REATH LLP



John G. Smith, Reg. No. 33,818

Dated: March 5, 2007

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Washington, D.C. 20005-1209
Tel: (202) 842-8800 Fax: (202) 204-0289

[illegible]

DrinkerBiddle&Reath

A Pennsylvania Limited Liability Partnership

L L P

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Washington, DC 20005-1209

202-842-8800 Phone

202-842-8465/66 Fax

The official date stamp of the United States Patent and Trademark Office hereon is acknowledgment of the receipt of:

I. Application

- ☐ A. Application Transmittal
- ☐ Provisional
 - ☐ Utility
 - ☐ Design
 - ☐ Plant
- ☐ B. Continuation/Divisional/Continuation-In-Part
- ☐ § 1.53(b)
 - ☐ § 1.53(f) – fee not included
- ☐ C. English Translation of Specification: _____ Sheet(s) (Plus Translation Verification Sheet)
- ☐ D. _____ Total Claim(s)
- ☐ E. _____ Sheets of Drawing(s) (containing _____ Figures)
- ☐ F. Small Entity
- ☒ G. Combined Declaration & Power of Attorney

II. Prosecution Documents

- ☐ A. Notice of Appeal
- ☒ B. Preliminary Amendment
- ☐ C. Claim to Priority & Priority Document(s)
- ☒ D. Information Disclosure Statement
- ☒ PTO Form 1449 – Including (5 references)

III. Post Issuance

- ☐ A. _____ Maintenance Fee
- ☐ B. Request for Correction of Letters Patent

IV. Recordation

- ☒ A. Assignment
- ☐ B. Security Interest Agreement (Number of Patents Covered: _____)
- ☐ C. Change of Name, Merger or Other Transfer Document (Number of Patents Covered: _____)
- ☒ D. PTO Recordation Form Cover Sheet

VI. Payment

- ☒ Check No. 36629 for \$170.00
- ☐ Fee Transmittal PTO/SB/17
- ☐ Deposit Account No. _____ for \$_____

VII. Other

- ☒ A. Response to Notification to File Missing Requirements
- ☒ B. Copy of Notification to File Missing Requirements
- ☒ C. International Preliminary Examination Report on Patentability
- ☒ D. PCT/ISA/210 (International Search Report dated June 22, 2004)

Date:

Client No.:

Attorney Docket No./File No.:

Matter No.:

Title:

Inventor(s):

Application/Patent No.

Attorney:

Confirmation No.

Secretary:

July 14, 2006

46884

46884-5428

216215

PHOTODIODE ARRAY AND PRODUCTION METHOD THEREOF, AND RADIATION DETECTOR

Katsumi SHIBAYAMA

10/550,688

Peter J. Sistare

4124

Eileen Ferrier



DOCKETED

BY W DATE 1/14/06

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Katsumi SHIBAYAMA	)	Confirmation No.: 4124
)	
Application No.: 10/550,688	)	Group Art Unit: Unassigned
)	
Filed: September 26, 2005	)	Examiner: Unassigned
)	
For: PHOTODIODE ARRAY AND PRODUCTION)	
METHOD THEREOF, AND RADIATION)	
DETECTOR)	

Commissioner for Patents
U.S. Patent and Trademark Office

Customer Window Mail Stop: ☐ New Application ☒ Amendment ☐ AF ☐ Issue Fee
Alexandria, VA 22314

Sir:

INFORMATION DISCLOSURE STATEMENT (IDS)

☒ **Under 37 C.F.R. § 1.97(b):** Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicant brings to the attention of the Examiner the documents listed on the attached PTO Form 1449. To the undersigned's knowledge, this IDS is being filed before the mailing date of a first Office Action on the merits, before the mailing date of a first Office Action on the merits after filing an RCE under § 1.114, or within three months of the application filing date.

☐ **Under 37 C.F.R. § 1.97(c):** Pursuant to 37 C.F.R. §§ 1.56 and 1.97(c), Applicant brings to the attention of the Examiner the documents listed on the attached PTO Form 1449. This IDS is being filed after the events recited in § 1.97(b) but, to the undersigned's knowledge, before the mailing date of a Final Office Action, a Notice of Allowance, or another action that closes prosecution in the application.

☐ The fee of \$180.00 set forth in § 1.17(p) is included herein; or

☐ Applicant submits that each item of information contained in this IDS was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS.

☐ **Under 37 C.F.R. § 1.97(d):** Pursuant to 37 C.F.R. §§ 1.56 and 1.97(d), Applicant brings to the attention of the Examiner the documents listed on the attached PTO Form 1449. This IDS is being filed after the events recited in § 1.97(c) but before payment of the issue fee.

☐ The fee of \$180.00 set forth in § 1.17(p) is included herein; and

- ☐ Applicant submits that each item of information contained in this IDS was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS.

☐ **Under 37 C.F.R. § 1.97(i):** Pursuant to 37 C.F.R. §§ 1.56 and 1.97(i), Applicant brings to the attention of the Examiner the documents listed on the attached PTO Form 1449. This IDS is being filed after the events recited in § 1.97(d). Applicant requests that the IDS be placed in the file.

☒ A search report or other listing of documents from a counterpart, related, or other application dated June 22, 2004 and having documents cited thereon is attached for the Examiner's consideration. Any of these documents not previously cited, and any additional documents are listed on the PTO Form 1449.

☒ Applicant respectfully requests that the Examiner consider the listed documents and evidence that consideration by making appropriate notations on the attached form. As for any document listed on the accompanying PTO-1449 that is in a language other than English, relevance can be understood from an enclosed English abstract or at least partial translation or from mention in the specification or in a search report for a corresponding application.

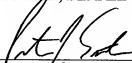
This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that any of the listed documents are material or constitute "prior art." If it should be determined that any of the listed documents do not constitute "prior art" under United States law, Applicant reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should any of the documents be applied against the claims of the present application.

Except for issue fees payable under 37 C.F.R. § 1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this Application, including fees due under 37 C.F.R. § 1.16 and 1.17 which may be required and including any required extension of time fees, or credit any overpayment to Deposit Account No. 50-0573. This paragraph is intended to be a CONSTRUCTIVE PETITION FOR EXTENSION OF TIME in accordance with 37 C.F.R. § 1.136(a)(3).

Respectfully submitted,

DRINKER, BIDDLE & REATH LLP



Peter J. Sistiare
Registration No. 48,183

Dated: July 14, 2006

CUSTOMER NO. 055694
DRINKER, BIDDLE & REATH LLP
1500 K Street, N.W., Suite 1100
Washington, D.C. 20005-1209
Tel: 202.842.8800; Fax: 202.842.8465

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	Attorney Docket No.: 46884-5428	Serial No.: 10/550,688
PTO Form 1449	Applicant Katsumi SHIBAYAMA	Page 1 of 1
	Filing Date: September 26, 2005	Group Art Unit: Unassigned

U.S. PATENT DOCUMENTS

*Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Sub Class	Translation YES NO	
07-333348	Dec. 22, 1995	JP			Abstract	
2003-086826	Mar. 20, 2003	JP			Abstract	
2003-086827	Mar. 20, 2003	JP			Abstract	
05-121711	May 18, 1993	JP			Abstract	
11-297975	Oct. 29, 1999	JP			Abstract	

OTHER DOCUMENTS

(Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.)

Examiner	Date Considered
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Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.